

CRUISING/MARKING PRESCRIPTION

Newberry Management Unit

Compartment 113 Stands 73 & 74

Luce County

T46N R10W Section 2 – NWNW, SWNW

T46N R10W Section 3 – NENE, SENE

TASKS: Cruise stand 73 to be final harvested (approximately 20 acres). Mark stand 74 for thinning (approximately 36 acres). Mark cutting and unit line boundaries and determine stand acreage. The total approximate size of both stands is 56 acres. Map boundary line and unit line placement using GPS. There are approximately 200 chains of boundary line/property line (red & blue paint) to be established and 20 chains of unit line (green paint) to be established. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stands are located about 5 miles north of Newberry. The stands can be accessed from County Road 407 by foot. (See inventory map).

STAND DESCRIPTION: Stand 73 consists mainly of aspen with a mix of paper birch, red maple, spruce, balsam, cedar, white pine and hemlock. Stand 74 is mostly unevenaged northern hardwoods with an average Basal Area of 130. The East Side of stand is high quality maple that grades into red maple aspen towards the West Side of stand. The understory in both stands varies in species and ranges from thick to thin.

The edges of stand 73 and the western edges of stand 74 occur along lowland types. Use discretion and judgment when establishing the boundary line bearing in mind BMP's, equipment limitations and merchantability.

There is evidence of an old road through the stands (see inventory map).

TREATMENT OBJECTIVES: Stand 73 will be final harvested to encourage the regeneration aspen, lowland poplar, birch and lowland conifer. Stands 74 will be selectively marked with the objective of retaining and releasing northern hardwood crop trees or best quality trees on site, releasing quality regeneration and decreasing the number of defective or low quality trees. This will help move the residual stand towards regulation. In all stands some important wildlife trees should be retained along with white pine, hemlock, cedar and yellow birch for diversity, aesthetics and important seed sources.

BOUNDARY LINE PRESCRIPTION:

1. Use discretion when placing the boundary lines around stands keeping in mind equipment limitations, Best Management Practices and merchantability issues.
2. Establish and map boundary/property line (red/blue paint) placement using a GPS.
3. Establish and map unit line (green paint) placement using a GPS.
4. Determine stand acreage.

CRUISING PRESCRIPTION (stand 73):

1. Cruise all aspen, paper birch, lowland poplar, red maple, balsam and spruce.

2. All white pine, hemlock, yellow birch and cedar are to be left as residual and do not need to be cruised.
3. Mark the exact plot center placing a stick in the ground and flagging it with ribbon. Mark the ribbon with the corresponding plot number.

Volume Determination (stand 73):

1. Cruise all pulpwood-sized paper birch, lowland poplar, aspen, red maple, spruce & balsam down to 4" D.I.B.
2. Cruise any sawlog-sized paper birch or red maple that may exist to 10" D.I.B.
3. Cruise with a 10 basal area factor prism.
4. Cruise stand at one plot per acre with point spacing to be determined after the boundary line work is complete.

MARKING PRESCRIPTION (stand 74):

1. Create 3–5 30-foot regeneration gaps per acre. Mark all trees 1" DBH and larger from regeneration gaps.
2. The residual BA excluding small regeneration gaps shall be 75 – 85 sq. ft.
3. Leave 1–2 beech mast trees per acre if they exist.
4. Favor any yellow birch to promote their regeneration.
5. Manage for the best tree in place, regardless of species.
6. Mark all cut trees with orange paint.
7. Do not mark any white pine, hemlock or cedar.
8. Retain some den or cavity trees per acre if present, or retain potential trees, if one or two den/cavity trees are not present.

Volume Determination (stand 74): 100% tally on all marked sawlogs. Sawlog trees are cruised to a 10" top D.I.B. Sawlog trees are to be marked with an "X" and dots painted to coincide with the amount of sawlogs tallied in the tree. 1/20 tally on all marked hardwood pulp. 1/10 tally on any aspen, spruce and balsam.

A meeting will be held between the contract administrator and the contractor before work begins to cover questions and other specifics. Contact administrators at the Newberry Field Office are:

Keith Magnusson
(906)293-3293

magnussk@michigan.gov

Theresa Sysol
(906)293-3293

sysolt@michigan.gov

Dave Lemmien
(906)293-3293

Lemmiend@michigan.gov